

IN THE CLAIMS:

Please amend claims 1, 4, 8-11 and 15 as recited below. Claims 12-14 are cancelled without prejudice or disclaimer.

The status of the claims in the present application, presented in numerical order, are:

Claim 1. (Currently Amended) A vehicle cruise control system, comprising:

a plurality of one touch pre-set cruise control speed buttons each button corresponding to a respective legal roadway speed wherein the speed is selected by depressing one button; ~~and~~
a first cruise control logic circuitry module coupled to said pre-set cruise control speed buttons and configured for implementing control of a vehicle speed to maintain the respective pre-set cruise control speed corresponding to a selected one of said pre-set cruise control speed buttons; and
a second cruise control circuitry module comprising original equipment manufacturer cruise control circuitry of a vehicle.

Claim 2. (Previously Presented) The vehicle cruise control system of claim 1 wherein each one of said pre-set cruise control speeds corresponds to a respective legal roadway speed.

Claim 3. (Previously Presented) The vehicle cruise control system of claim 1 wherein implementing control of the vehicle speed includes:
determining the respective pre-set cruise control speed; and
outputting a control signal corresponding to the respective preset cruise control speed.

Claim 4. (Currently Amended) The vehicle cruise control system of claim 1 wherein implementing control of the vehicle speed includes:

~~activating components of an original equipment cruise control system; and~~
setting said components of the original equipment cruise control system to maintain the respective pre-set cruise control speed corresponding to the selected one of said pre-set cruise control speed buttons.

Claim 5. (Previously Presented) The vehicle cruise control system of claim 1, further comprising:

a current speed set button for implementing control of the vehicle speed to maintain a vehicle speed exhibited at the time when the current speed set button is depressed.

Claim 6. (Cancelled) The vehicle cruise control system of claim 1 wherein:

said cruise control logic circuitry is segmented between a first cruise control circuitry module comprising said pre-set cruise control speed buttons and a second cruise control circuitry module comprising original equipment manufacturer cruise control circuitry of a vehicle.

Claim 7. (Previously Presented) The vehicle cruise control system of claim 4 wherein:

implementing control of the vehicle speed includes determining the respective pre-set cruise control speed and outputting a control signal corresponding to the respective preset cruise control speed;
determining the respective pre-set cruise control speed is performed by the first cruise control circuitry module; and
outputting the control signal includes outputting the control signal from the first cruise control circuitry module for reception by the second cruise control circuitry module.

Claim 8. (Currently Amended) The vehicle cruise control system of claim 5 7 wherein the control signal is configured for activating the second cruise control circuitry module.

Claim 9. (Currently Amended) The vehicle cruise control system of claim 5 7 wherein the control signal simulates a signal interpretable by logic of the second cruise control circuitry module.

Claim 10. (Currently Amended) The vehicle cruise control system of claim 1 wherein:
implementing control of the vehicle speed includes determining the respective pre-set cruise control speed and outputting a control signal corresponding to the respective preset cruise control speed;
~~said cruise control logic circuitry is segmented between a first cruise control circuitry module comprising said pre-set cruise control speed buttons and a second cruise control circuitry module comprising original equipment manufacturer cruise control circuitry of a vehicle;~~
determining the respective pre-set cruise control speed is performed by the first cruise control circuitry module; and
outputting the control signal includes outputting the control signal from the first cruise control circuitry module for reception by the second cruise control circuitry module;
the control signal is configured for activating the second cruise control circuitry module; and
the control signal simulates a signal interpretable by logic of the second cruise control circuitry module.

Claim 11. (Currently Amended) The vehicle cruise control system of claim 1 wherein:
implementing control of the vehicle speed includes activating components of ~~an~~ the original equipment cruise control system and setting said components of the original equipment cruise control system to maintain

the respective pre-set cruise control speed corresponding to the selected one of said pre-set cruise control speed buttons;
setting said components of the original equipment cruise control system includes outputting a control signal corresponding to the respective preset cruise control speed;
~~said cruise control logic circuitry is segmented between a first cruise control circuitry module comprising said pre-set cruise control speed buttons and a second cruise control circuitry module comprising original equipment manufacturer cruise control circuitry of a vehicle;~~
the control signal is configured for activating the second cruise control circuitry module; and
the control signal simulates a signal interpretable by logic of the second cruise control circuitry module.

Claim 12. (Cancelled) A one touch speed setting module for a cruise control system, comprising:

a plurality of pre-set cruise control speed buttons, each button corresponding to a respective legal roadway speed wherein the speed is selected by depressing one button ~~pre-set cruise control speed~~;
a current speed set button for implementing control of the vehicle speed to maintain a vehicle speed exhibited at the time when the current speed set button is depressed; and
cruise control logic circuitry coupled to each one of said buttons and configured for implementing control of a vehicle speed to maintain a cruise control speed corresponding to a selected one of said buttons, wherein implementing control of the vehicle speed includes determining the cruise control speed corresponding to a selected one of said buttons and outputting a control signal corresponding to the cruise control speed corresponding to a selected one of said buttons and wherein the control signal simulates a signal interpretable by logic of an original equipment manufacturer cruise control system.

Claim 13. (Cancelled) The speed setting module of claim 12 wherein each one of said pre-set cruise control speeds corresponds to a respective legal roadway speed.

Claim 14. (Cancelled) The speed setting module of claim 12 wherein implementing control of the vehicle speed includes:

activating components of an original equipment cruise control system; and
the control signal is configured for setting said components of the original equipment cruise control system to maintain the cruise control speed corresponding to a selected one of said buttons.

Claim 15. (Currently Amended) A method for facilitating vehicle cruise control operation, comprising:

receiving a speed control request signal corresponding to a selected one of a plurality of pre-set one touch cruise control speed buttons each corresponding to a respective pre-set cruise control speed, wherein cruise control speed is selected by depressing only one button, wherein each button corresponds to preset speed rather than to a digit of a desired speed as in a numeric keypad; and

implementing control of a vehicle speed to maintain the respective pre-set cruise control speed corresponding to the selected one of said pre-set cruise control speed buttons in response to receiving the speed control signal;

implementing control of the vehicle speed includes determining the respective pre-set cruise control speed and outputting a control signal corresponding to the respective preset cruise control speed;

determining the respective pre-set cruise control speed is performed by a first cruise control circuitry module comprising said pre-set cruise control speed buttons;

outputting the control signal includes outputting the control signal from the first cruise control circuitry module for reception by a second cruise

control circuitry module comprising original equipment manufacturer
cruise control circuitry of a vehicle;
the control signal is configured for activating the second cruise control
circuitry module; and
the control signal simulates a signal interpretable by logic of the second cruise
control circuitry module.

Claim 16. (Previously Presented) The method of claim 15 wherein implementing control of the vehicle speed includes:

determining the respective pre-set cruise control speed; and
outputting a control signal corresponding to the respective preset cruise control speed.

Claim 17. (Currently Amended) The method of claim 15 wherein implementing control of the vehicle speed includes:

~~activating components of an original equipment cruise control system; and~~
setting said components of the original equipment cruise control system to
maintain the respective pre-set cruise control speed corresponding to the
selected one of said pre-set cruise control speed buttons.

Claim 18. (Cancelled) The method of claim 15 wherein:

implementing control of the vehicle speed includes determining the respective pre-set cruise control speed and outputting a control signal corresponding to the respective preset cruise control speed;
determining the respective pre-set cruise control speed is performed by a first cruise control circuitry module comprising said pre-set cruise control speed buttons; and
outputting the control signal includes outputting the control signal from the first cruise control circuitry module for reception by a second cruise

control circuitry module comprising original equipment manufacturer
cruise control circuitry of a vehicle;
the control signal is configured for activating the second cruise control
circuitry module; and
the control signal simulates a signal interpretable by logic of the second cruise
control circuitry module.

Claim 19. (Previously Presented) The method of claim 15 wherein:

implementing control of the vehicle speed includes activating components of
~~an~~ the original equipment cruise control system and setting said
components of the original equipment cruise control system to maintain
the respective pre-set cruise control speed corresponding to the selected
one of said pre-set cruise control speed buttons;
setting said components of the original equipment cruise control system
includes outputting a control signal corresponding to the respective preset
cruise control speed;
the control signal simulates a signal interpretable by logic of the original
equipment cruise control system.